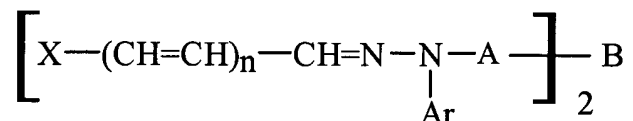


LINKED DIHYDRAZONE-BASED CHARGE TRANSPORT COMPOUNDS

ABSTRACT

- 5 Improved organophotoreceptors comprise:
(a) a charge transport compound having the formula



where n is an integer from 0 to 1;

10 X is an (N,N-disubstituted)arylamine group;

Ar is an aryl group or a heterocyclic group;

A is a first linking group with the formula $-(CH_2)_p-$ which can be branched or linear, where p is an integer from 3 to 20 inclusive and where one or more methylene groups can be optionally replaced by O, S, a carbonyl group, urethane, urea, an ester group, a $-NR_{16}$ group, 15 a CHR_{17} group, or a $CR_{18}R_{19}$ group where R_{16} , R_{17} , R_{18} and R_{19} are, independently, H, hydroxyl, thiol, an amine group, an alkyl group, an alkaryl group, an aryl group, or part of a ring; and

B is a second linking group having the formula $-Q-Z-Q'-$, where Q and Q' are, independently, O, S, or NR_1 , where R_1 is an H, an alkyl group, an alkaryl group or an aryl 20 group, and Z comprises a heterocyclic group;

(b) a charge generating compound; and

(c) an electrically conductive substrate over which said charge transport compound and said charge generating compound are located.